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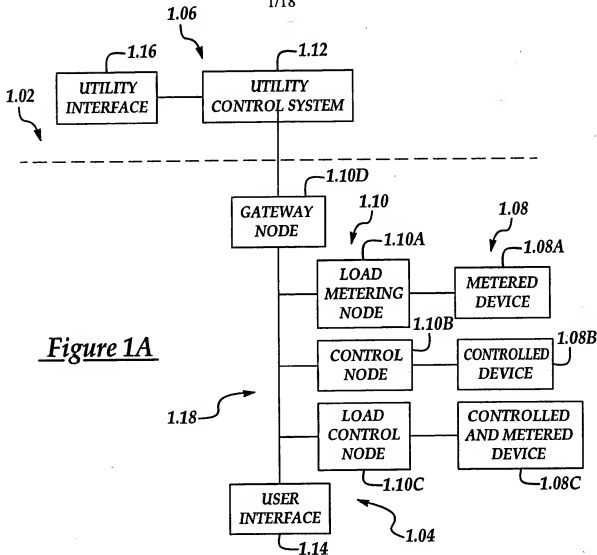


Figure 1A

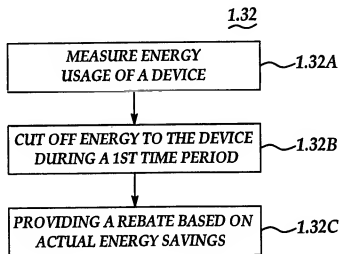
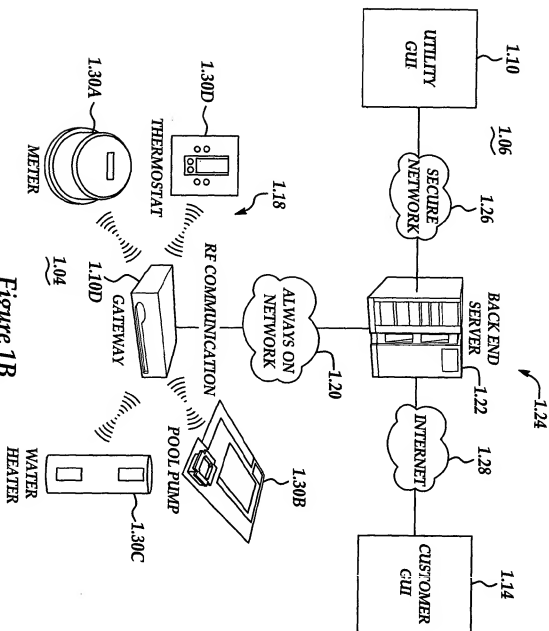


Figure 1C

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**Figure 1B**

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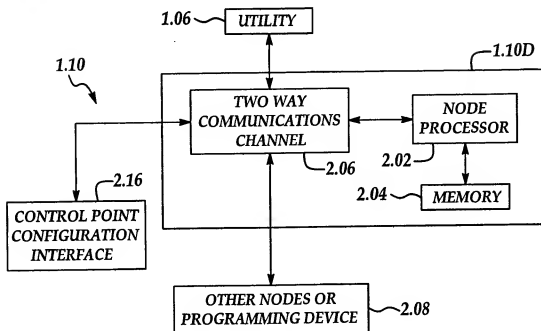


Figure 2A

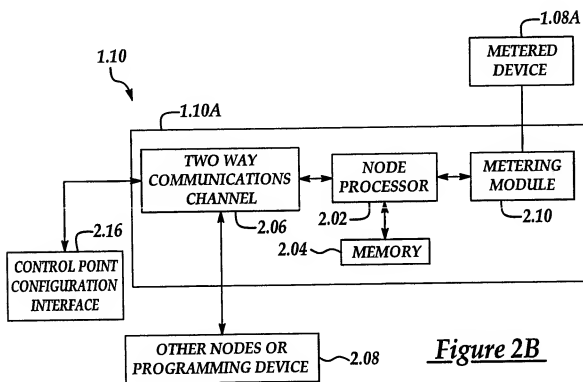


Figure 2B

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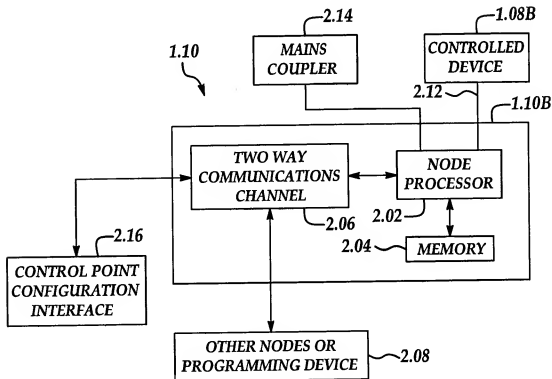


Figure 2C

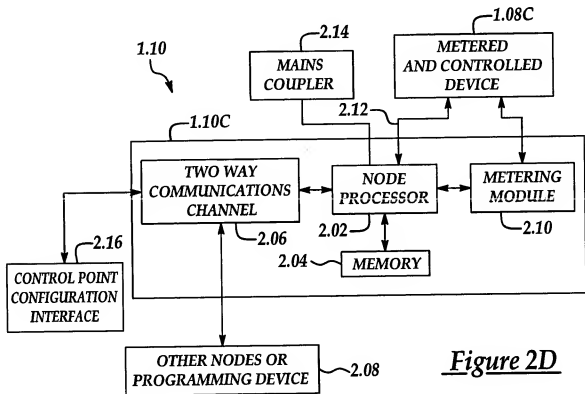


Figure 2D



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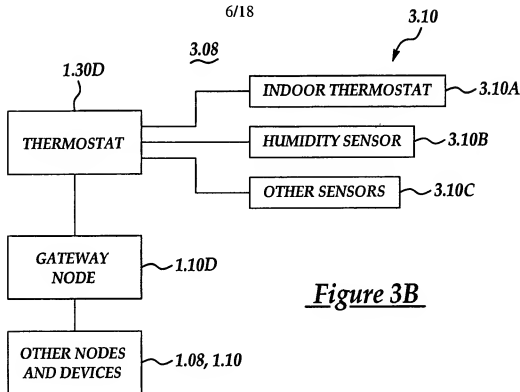


Figure 3B

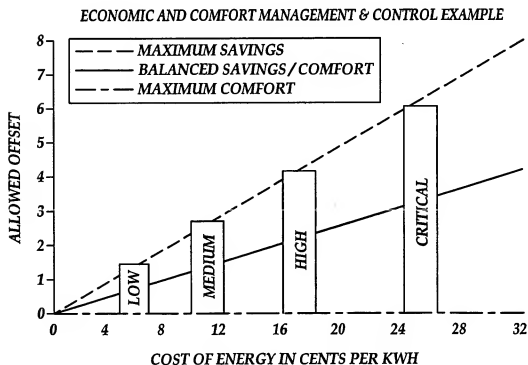
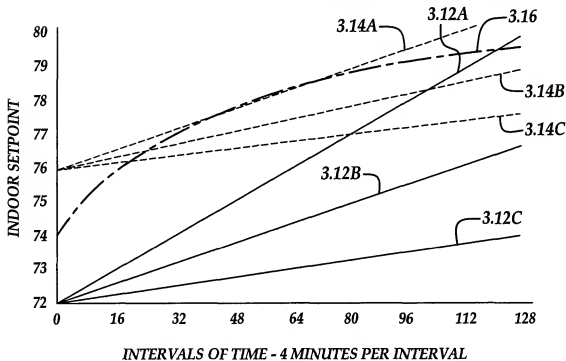
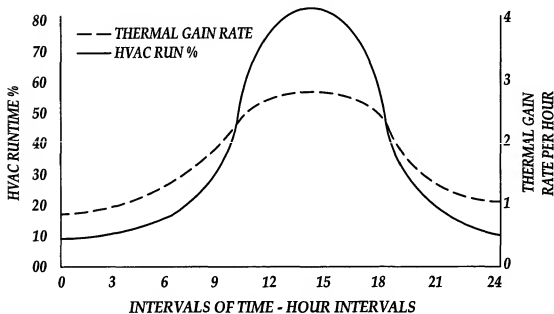


Figure 3C

## ECONOMIC AND COMFORT MANAGEMENT &amp; CONTROL EXAMPLE

Figure 3D

## ECONOMIC AND COMFORT MANAGEMENT &amp; CONTROL EXAMPLE

Figure 3E

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

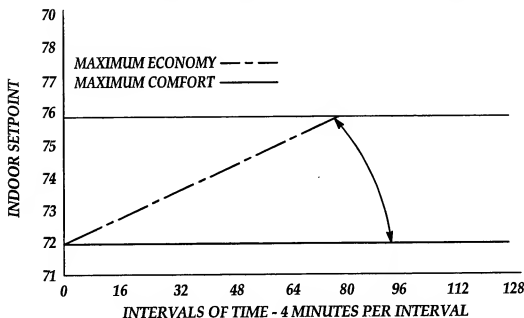


Figure 3F

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

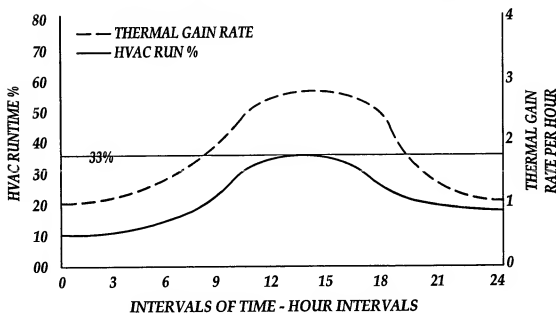


Figure 3G



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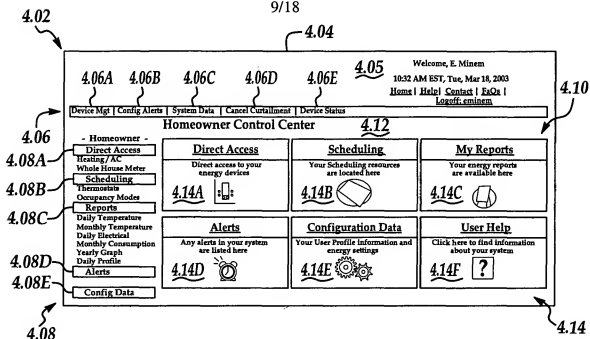


Figure 4A

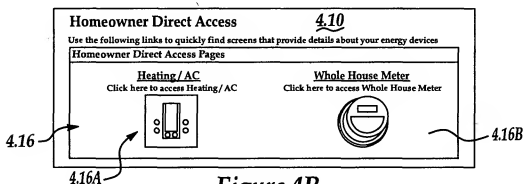


Figure 4B

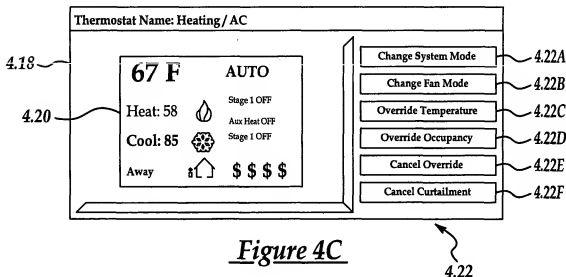


Figure 4C

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**4.10**

**4.24** **Occupancy Modes**

Home **Away** Sleep Vacant User1 User2 User3 User4 **2.26**

When my home is in Home Mode ☒ Active

Use the following settings for the areas controlled by the Heating/ AC thermostat

Cooling setpoint: **80** °F use: Economical Comfort Economy Profile **4.32**

Heating setpoint: **68** °F ☒ My home is normally OCCUPIED during Home mode

**4.28** Defaults **4.30** Apply

**Figure 4D**

**Occupancy Modes**

Home **Away** Sleep Vacant User1 User2 User3 User4 **2.26**

When my home is in Home Mode ☐ Active

Use the following settings for the areas controlled by the Heating/ AC thermostat

Cooling setpoint: **85** °F use: Economical Comfort Economy Profile **4.32**

Heating setpoint: **58** °F ☐ My home is normally OCCUPIED during Away mode

**4.28** Defaults **4.30** Apply

**Figure 4E**

**Occupancy Modes**

Home **Away** Sleep **Vacant** User1 User2 User3 User4 **2.26**

When my home is in Home Mode ☐ Active

Use the following settings for the areas controlled by the Heating/ AC thermostat

Cooling setpoint: **90** °F use: Economical Comfort ☒ Economy Profile **4.32**

Heating setpoint: **45** °F ☐ My home is normally OCCUPIED during Vacant mode

☐ Maximum Comfort ☐ Economical Comfort ☐ Apply

**Figure 4F**

11/18

4.10

**Thermostat Scheduling**

4.36

<<Prev March Next>> March 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 Weekend
2 Weekend	3 Weekday	4 Weekday	5 Weekday	6 Weekday	7 Weekday	8 Weekend
9 Weekend	10 Weekday	11 Weekday	12 Weekday	13 Weekday	14 Weekday	15 Weekend
16 Weekend	17 Weekday	18 Weekday	19 Weekday	20 Weekday	21 Weekday	22 Weekend
23 Weekend	24 Weekday	25 Weekday	26 Weekday	27 Weekday	28 Weekday	29 Weekend
30 Weekend	31 Weekday					

4.34

**Figure 4G**

**Thermostat Scheduling**

4.38

4.10

Select Thermostat: Heating / AC Select Day Type: Weekday

4.36

Start>> Start at midnight in: Sleep mode

Then at 04:30am switch to User1 mode

Then at 05:00am switch to User2 mode

Then at 05:30am switch to Home mode

Then at 07:30am switch to Away mode

Then at 04:00pm switch to User2 mode

Then at 05:30pm switch to Home mode

Then at 10:00pm switch to Sleep mode

Click to show instructions

4.40

Apply to 3/18/2003 Apply to all Weekdays Back to Calendar...

4.42

**Figure 4H**

4.44

4.46

Weekday

New Day Type

Weekday

Weekend

Holiday

8/13/2002

2/15/2003

4.40

**Figure 4I**

## Configure Alert

4.52 4.54 4.56 4.58

Alerts						
User Name: E. Minem		AccountID: 555		Phone#: 5555555555		
Primary email: eminem@aol.com						
Alert Description	Destination	Channel		Configurable	Priority	Single/Aggregate
		Primary email	Web Page			
Temperature out of Range	Home Occupant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	Single
Temperature out of Range	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Gateway Not Responding	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Temperature out of Range	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Gateway Not Responding	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Budget Limit Alarm	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Single
Device is Malfunctioning	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Single
Communication Failure	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	Single
Ramping Recovery Failure	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single
Duplicate IP address	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single
Temperature out of Range	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single

Note: You may add the secondary email as another channel by updating personal data, Click here to update account personal data

4.48

4.50 4.60 4.62 4.64

Submit Reset

Figure 4J

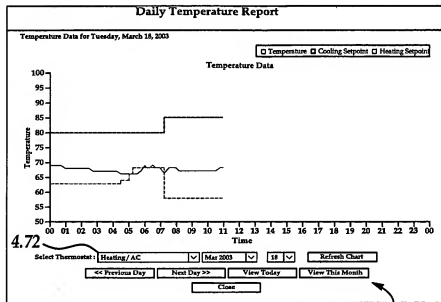
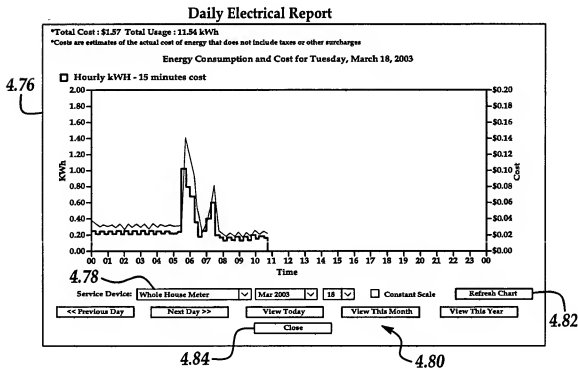
## Reports

4.66

Temperature Reports	Electricity Usage	Cost & Consumption
<p>4.68A</p> <p>Daily Temperature</p> <p>4.68B</p> <p>Monthly Temperature</p> <p>4.68</p>	<p>Daily Electrical</p> <p>4.68C</p>	<p>Years Graph</p> <p>4.68D</p> <p>Monthly Consumption</p> <p>4.68E</p> <p>Daily Profile</p> <p>4.68F</p>

Figure 4K

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Figure 4LFigure 4M

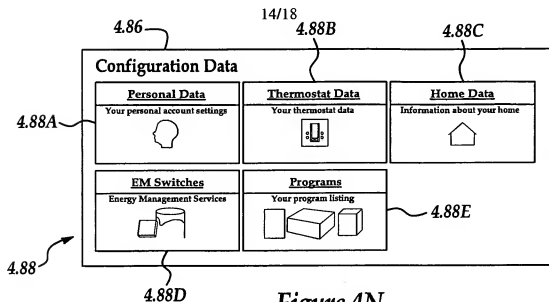


Figure 4N

**Thermostat Data**

\*Thermostat Name: Heating / AC ☒ Thermostat Active

**Heating**  
Type: Electric w/ Electric Emergency  
Stages: 1 2  
☒ Emergency Heating

**Cooling**  
Type: Electric Heat Pump  
Stages: 1 2

Additional controls: ☐ Humidifier ☐ Dehumidifier

\*Safety Limits: 55 High 50 Low\*  
\*Heat Limits: 75 High 45 Low\*

\*Alert Limits: 90 High 45 Low\*  
\*Cool Limits: 90 High 65 Low\*

Default Limits for Thermostat

Thermostat Summary Apply Reset

\* = required

Figure 4O

4.92

Electric: w/ Electric Emergency	✓
Electric: w/ Electric Emergency	
Electric: w/ Gas Emergency	
Electric: w/ Oil Emergency	
Electric Baseboard	
Propane	
Oil	
Steam	
Hot Water	

Figure 4P

4.94

Electric Heat Pump
Electric Heat Pump
Electric Standard Central Air
Natural Gas
Evaporative

Figure 4Q

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## Program Participation

4.96

Program Listing					
Participate	Product Name	Supply Type	Effective Dates		Effective Daily
			From	To	From To
<input checked="" type="checkbox"/>	Emergency AC Curtailment	On Demand	01/01	12/31	12:00am - 11:59pm
<input checked="" type="checkbox"/>	A Group	On Demand	01/01	12/31	12:00am - 11:59pm
<input type="checkbox"/>	B Group	On Demand	01/01	12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency HVAC Curtailment	On Demand	01/01	12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Hot Tub/Spa Curtailment	On Demand	01/01	12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Pool Pump Curtailment	On Demand	01/01	12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Shut Off	On Demand	01/01	12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Water Heater Curtailment	On Demand	01/01	12/31	12:00am - 11:59pm
<input type="checkbox"/>	AfternoonPeaker	Scheduled	04/01	10/01	12:00am - 6:00pm
<input type="checkbox"/>	MorningPeaker	Scheduled	01/01	12/31	6:00am - 12:00pm
Apply					

4.100

4.98

Figure 4R

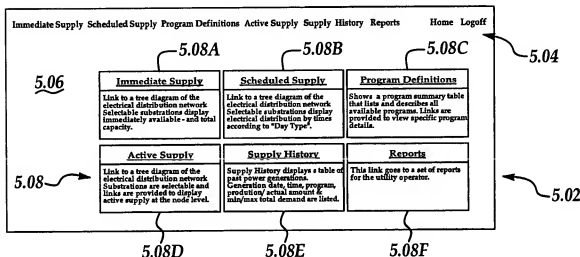


Figure 5A

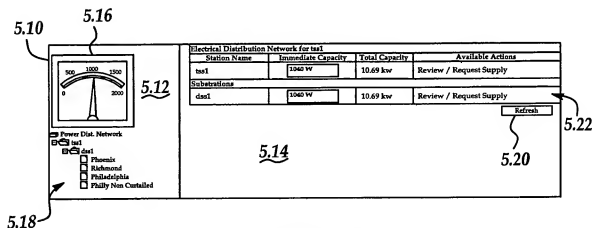


Figure 5B

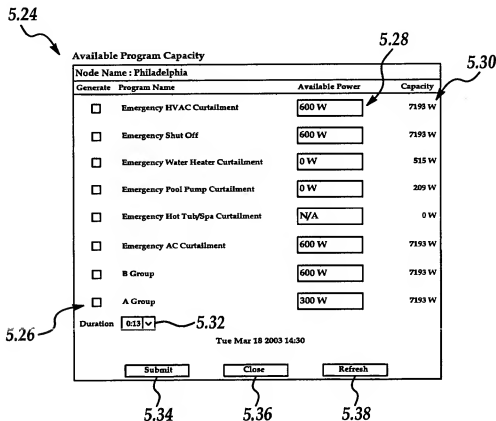
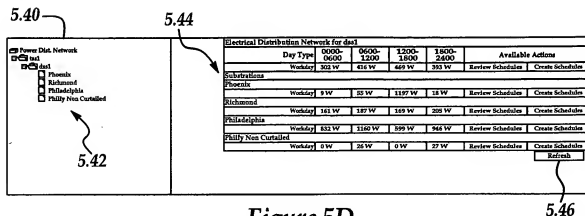


Figure 5C



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Figure 5D

5.48

**Find Eligible Programs****Find Eligible Programs for: Phoenix**

Date: Month:  Day:  Year:

From To

Time: Hours:  Minutes:  Hours:  Minutes:

Desired Supply:  W  Schedule Name:

Figure 5E**Program Summary**

Click on program name to edit

Program Name	Description
	Immediate Supply
A Group	HVAC Optional and Overrideable
B Group	HVAC Optional and Overrideable
Emergency AC Curtailment	Curtailment of AC systems - Not Overrideable or optional
Emergency HVAC Curtailment	Thermostatic Curtailment program - Overrideable and Optional
Emergency Hot Tubs/Spa Curtailment	Hot Tubs/Spa Curtailment Program
Emergency Pool Pump Curtailment	Pool Pump Curtailment Program
Emergency Shut Off	Emergency program will supply from all devices
Emergency Water Heater Curtailment	Water Heater Curtailment Program
	Scheduled Supply
Afternoon/Peaker	This program curtails WaterHeaters, PoolPumps and HVAC between 12PM to 6PM
Morning/Peaker	Shutdown WaterHeaters and Pool pumps between 6AM and 11 PM

5.52

5.54

Figure 5F

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## Program Definitions

Program Name:

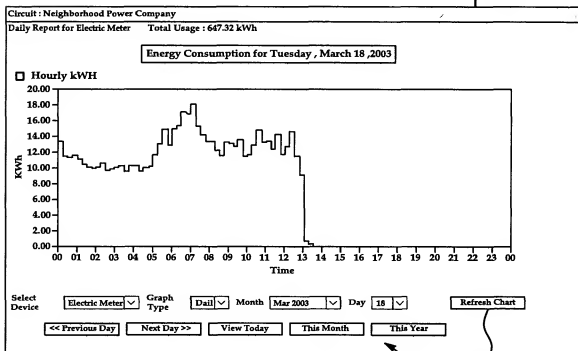
Description:

Supply Type: ☒ On Demand ☐ Scheduled

Available Time: From: HH  MM  To: HH  MM   
 Available Dates: From: MM  DD  To: MM  DD

☐ Optional ☐ Overrideable

Device Types To Include: ☐ HVAC/STAT ☐ Water Heater ☐ Pool Pump ☐ Hot Tub/Spa

Figure 5GFigure 5H

Electric Meter	▼
Thermostat	
Electric Meter	
Water Heater	
<b>Pool Pump</b>	
Hot Tub/Spa	

Figure 5I